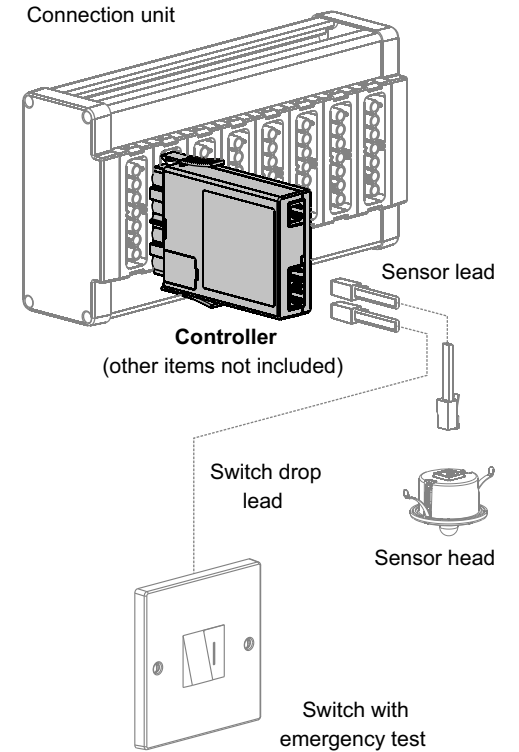


Circuit diagram for fnc2000/E

fnc2000/E - Controllers

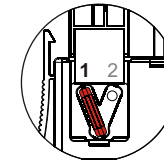
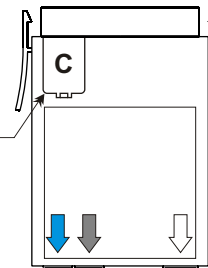
Includes Integral Emergency Test

The **fnc2000/E** is a control device which plugs directly into any of the **flex7** range of connection units or a 7-pole single socket outlet. Working with a switch or together with a sensor head, the device will control the connected mains rated luminaires ON/OFF and will be able to carry out an emergency test. The exact operation will largely depend on which of the input devices are connected. Note that any connected switch or sensor head will be operating at ELV.

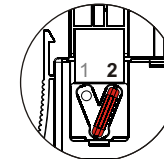


Configuring the fnc2000/E controller and wiring the connection unit

Prise open lid 'C' using a screw driver. Position link as required.



Link in position 1
Lights can remain ON during an emergency test. Wire connection unit as shown on the back page.



Link in position 2
Lights will switch OFF during an emergency test. Wire connection unit as shown on the back page.

Rating

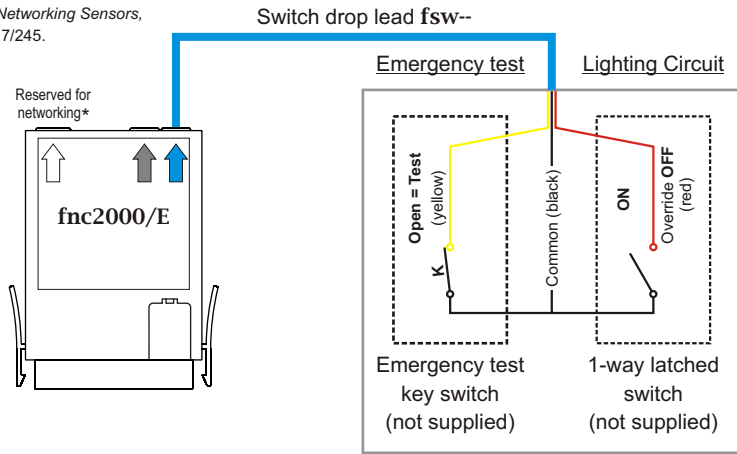
Supply Voltage : 220V-240V, 50Hz, ~

Load

Fluorescent & Incandescent Lighting : 6A
Compact Fluorescent Lighting : 3A

Using an fnc2000/E controller with a switch only

* Refer to leaflet *Networking Sensors*, leaflet number 17/245.



Operation

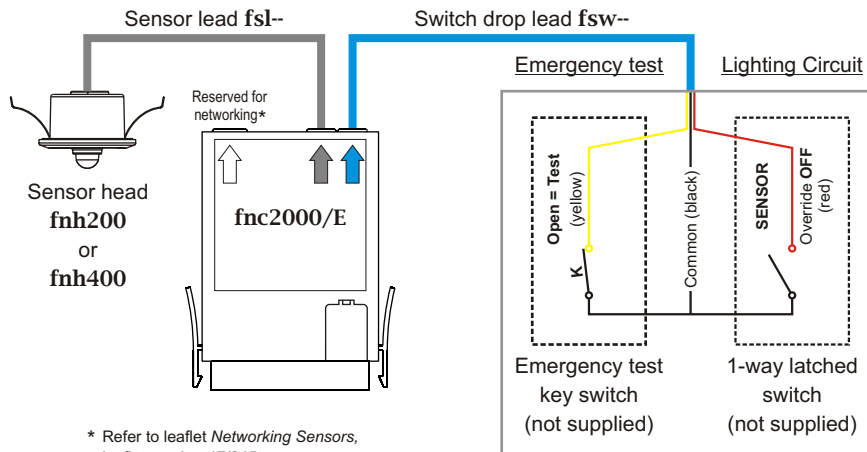
Lighting circuit : ON/OFF only.
EmergencyTest : Operate key switch to carry out an emergency test.

Note:

If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected. (Part No. **fsy/2e/2** - OFF control from 2 x 2-way switches)

Override **OFF** only
with emergency test

Using an fnc2000/E controller with a sensor head and override switch



* Refer to leaflet *Networking Sensors*, leaflet number 17/245.

Note:

For safe operation it is advisable that occupancy coverage extends to cover the wall switch. In this way, operating the switch to 'SENSOR' position ensures the lights turn ON.

Note:

If your room requires 2-way switching, a special 'Y' connector is available to enable two switch drop leads to be connected. (Part No. **fsy/2e/2** - OFF control from 2 x 2-way switches)

Override **OFF** only
with emergency test

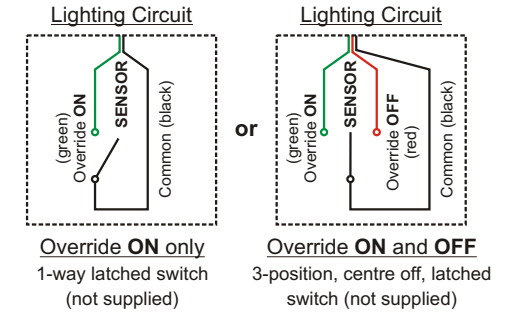
Other switching options incorporating override ON

Note:

You may not be able to claim enhanced capital allowances under the Carbon Trust scheme if you incorporate local 'override ON' switches in your occupancy sensor scheme.

Emergency test

For an emergency test circuit, wire the yellow and black wire in the key switch as shown on the previous diagrams.



Operation for the Lighting Circuit

If the sensor head is of type fnh200

Occupancy detection: Provided the wall switch is in the 'Sensor' position the lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period.

Override switch operation: Override OFF or override ON takes priority over occupancy sensing.

If the sensor head is of type fnh400

Occupancy detection: Provided the wall switch is in the 'Sensor' position, then, notwithstanding 'daylight dependency' (see below) lights will switch ON whenever there is occupancy detected by the sensor head. When occupancy is no longer detected, lights will switch OFF after a pre-selected *time-out* period.

Daylight dependency: During periods of occupancy the lights may switch OFF if the ambient light detected under the sensor head exceeds the *set level*.

Override switch operation: Override OFF or override ON takes priority over occupancy or daylight dependency sensing.

Operation for the Emergency Test

Operate key switch to carry out an emergency test.

Note: Alternative operational options not necessarily shown above are available using the **frc/set** setup remote control. Full instructions for setting up the sensor are supplied with the sensor head and the **frc/set** remote control - both ordered separately.